

**Butler, Douglas**

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**Fr m:** PLUS  
**Sent:** Tuesday, March 09, 2004 8:23 AM  
**T :** Butler, Douglas  
**Subject:** PLUS Results for 10605338

Here are the PLUS search results for 10605338.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10605338\_QUAL.txt



10605338\_LIST.txt



10605338\_WEST.txt



10605338\_EAST.txt



10605338.east



10605338\_CLS.txt



10605338\_CLSTITLES.txt



10605338\_WDS.txt

10605338\_LIST

PLUS Search Results for S/N 10605338, Searched March 08, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4374553	5967274	5330034
4609076	6044935	5333944
5273137	3570631	5343987
5535856	3812935	5360086
5542503	4142611	5360175
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5445242	5219049	6205633
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5609228	5325945	6216828

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10605338\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10605338 on March 08, 2004

Original Classifications

7 188/73.38  
6 188/73.44  
5 188/218XL  
5 188/72.4  
5 188/73.35  
4 188/18A  
4 188/71.5  
4 188/71.6  
4 188/73.31  
4 188/73.45  
3 188/71.8  
3 188/72.3  
3 188/72.6  
3 188/73.2  
3 188/73.39  
2 29/401.1  
2 29/434  
2 188/264A  
2 188/264G  
2 188/71.9

Cross-Reference Classifications

9 188/72.4  
7 188/218XL  
7 188/73.36  
6 188/73.45  
5 188/106F  
5 188/170  
5 188/205A  
5 188/71.8  
4 188/18A  
4 188/196P  
4 188/264G  
4 188/72.9  
4 188/73.1  
4 188/73.38  
3 188/162  
3 188/18R  
3 188/250B  
3 188/264AA  
3 188/370  
3 188/71.1  
3 188/71.5  
3 188/72.3  
3 188/72.6  
3 188/73.31  
3 188/73.35  
3 188/73.37  
2 60/578  
2 92/168  
2 188/158  
2 188/196BA  
2 188/196D  
2 188/206A

2 188/216  
2 188/251A  
2 188/259  
2 188/264A  
2 188/325  
2 188/341  
2 188/72.1  
2 188/72.2  
2 188/73.43  
2 188/75  
2 188/77W  
2 192/107T  
2 192/79  
2 192/81C  
2 192/83  
2 303/115.2  
2 318/372

**Combined Classifications**

14 188/72.4  
12 188/218XL  
11 188/73.38  
10 188/73.45  
8 188/18A  
8 188/71.8  
8 188/73.35  
8 188/73.36  
7 188/71.5  
7 188/73.31  
7 188/73.44  
6 188/170  
6 188/264G  
6 188/72.3  
6 188/72.6  
5 188/106F  
5 188/205A  
5 188/71.6  
5 188/72.9  
5 188/73.1  
4 188/162  
4 188/196P  
4 188/250B  
4 188/264A  
4 188/264AA  
4 188/73.2  
4 188/73.37  
4 188/73.39  
3 29/401.1  
3 188/18R  
3 188/251A  
3 188/325  
3 188/341  
3 188/370  
3 188/71.1  
3 188/71.9  
3 188/77W  
2 29/434  
2 57/406  
2 57/88

2 60/562  
2 60/578  
2 60/585  
2 92/168  
2 188/1.11L  
2 188/106P  
2 188/158  
2 188/181T  
2 188/196BA  
2 188/196D  
2 188/205R  
2 188/206A  
2 188/216  
2 188/259  
2 188/72.1  
2 188/72.2  
2 188/72.5  
2 188/73.32  
2 188/73.43  
2 188/75  
2 188/77R  
2 188/78  
2 192/107T  
2 192/79  
2 192/81C  
2 192/83  
2 192/84.81  
2 303/112  
2 303/115.2  
2 310/77  
2 318/372

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Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10605338 on March 08, 2004

14 188/72.4 (5 OR, 9 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston

12 188/218XL (5 OR, 7 XR)  
Class 188 : BRAKES  
188/381 .FRICTIONAL VIBRATION DAMPER  
188/218R .Brake wheels  
188/218XL ..Disk type

11 188/73.38 (7 OR, 4 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.37 ...Having means to prevent vibration of brake  
element  
188/73.38 ....Spring

10 188/73.45 (4 OR, 6 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.43 ...Including actuator slidable in plane  
parallel to axis of rotation of wheel  
188/73.44 ....On axially extending pin  
188/73.45 ....Plural pins

8 188/18A (4 OR, 4 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/17 .Hub or disk  
188/18R ..Motor vehicle  
188/18A ...Disc brakes

8 188/71.8 (3 OR, 5 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.7 ..With means to adjust for wear of brake  
188/71.8 ...Self-adjusting means

8 188/73.35 (5 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor

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188/73.31 ..Retainer for brake element  
188/73.35 ...Having actuator and means to prevent vibration thereof

8 188/73.36 (1 OR, 7 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing therefor  
188/73.31 ..Retainer for brake element  
188/73.35 ...Having actuator and means to prevent vibration thereof  
188/73.36 ....Including means to prevent vibration of brake element

7 188/71.5 (4 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing therefor  
188/71.5 ..Plural rotating elements (e.g., "multidisc")

7 188/73.31 (4 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing therefor  
188/73.31 ..Retainer for brake element

7 188/73.44 (6 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing therefor  
188/73.31 ..Retainer for brake element  
188/73.43 ...Including actuator slidable in plane parallel to axis of rotation of wheel  
188/73.44 ....On axially extending pin

6 188/170 (1 OR, 5 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/166 .Spring  
188/170 ..Fluid-pressure release

6 188/264G (2 OR, 4 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/264R .Cooling and lubricating  
188/264G ..Insulators

6 188/72.3 (3 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing therefor  
188/72.1 ..With means for actuating brake element  
188/72.3 ...And means for retracting brake element

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6 188/72.6 (3 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston  
188/72.6 ....And/or mechanical linkage

5 188/106F (0 OR, 5 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/105 .Multiple  
188/106R ..Vehicle  
188/106F ...Fluid and mechanical

5 188/205A (0 OR, 5 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/205R .Supports  
188/205A ..Antirattler

5 188/71.6 (4 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.6 ..With means for cooling brake

5 188/72.9 (1 OR, 4 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.9 ...By pivoted lever

5 188/73.1 (1 OR, 4 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.1 ..Structure of brake element

4 188/162 (1 OR, 3 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/158 .Electric  
188/161 ..Electromagnet  
188/162 ...Rotary motor

4 188/196P (0 OR, 4 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack  
188/196P ..Friction

4 188/250B (1 OR, 3 XR)

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Class 188 : BRAKES  
188/381 FRictional vibration damper  
188/250R .Shoes  
188/250B ..Shoe construction

4 188/264A (2 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRictional vibration damper  
188/264R .Cooling and lubricating  
188/264A ..Air-cooled, axially engaging

4 188/264AA (1 OR, 3 XR)  
Class 188 : BRAKES  
188/381 FRictional vibration damper  
188/264R .Cooling and lubricating  
188/264A ..Air-cooled, axially engaging  
188/264AA ...Auto wheel type

4 188/73.2 (3 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.1 ..Structure of brake element  
188/73.2 ...Circumferential or circumferentially spaced

4 188/73.37 (1 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.37 ...Having means to prevent vibration of brake  
element

4 188/73.39 (3 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.39 ...Including torque member supporting brake  
element

3 29/401.1 (2 OR, 1 XR)  
Class 029 : METAL WORKING  
29/592 METHOD OF MECHANICAL MANUFACTURE  
29/401.1 .Converting

3 188/18R (0 OR, 3 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/17 .Hub or disk  
188/18R ..Motor vehicle

3 188/251A (1 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRictional vibration damper

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188/250R .Shoes  
188/251R ..Composite  
188/251A ...Materials

3 188/325 (1 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/74 .Transversely movable  
188/78 ..Expanding  
188/325 ...Two shoes

3 188/341 (1 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/74 .Transversely movable  
188/78 ..Expanding  
188/341 ...Anchor

3 188/370 (0 OR, 3 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/151R .Fluid pressure  
188/152 ..Road vehicle  
188/361 ...Wheel brake operating assembly  
188/369 ....With axially movable brake member  
188/370 .....Spot type

3 188/71.1 (0 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor

3 188/71.9 (2 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.7 ..With means to adjust for wear of brake  
188/71.8 ...Self-adjusting means  
188/71.9 ....Including unidirectionally rotating screw

3 188/77W (1 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/74 .Transversely movable  
188/77R ..Strap  
188/77W ...Wrap band type

2 29/434 (2 OR, 0 XR)  
Class 029 : METAL WORKING  
29/592 METHOD OF MECHANICAL MANUFACTURE  
29/428 .Assembling or joining  
29/434 ..Retaining clearance for motion between  
assembled parts

2 57/406 (1 OR, 1 XR)  
Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING

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57/1R APPARATUS AND PROCESSES  
57/400 .Open end spinning  
57/404 ..Rotating chamber type  
57/406 ...With housing for drive or support

2 57/88 (1 OR, 1 XR)  
Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING  
57/1R APPARATUS AND PROCESSES  
57/78 .Stopping or starting  
57/88 ..Spindle stopping

2 60/562 (1 OR, 1 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/562 ..Master piston of one pulsator circuit drives  
master piston of a parallel circuit through a resilient,  
fluid or lost motion connection

2 60/578 (0 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/574 ..Automatic control of plural stage pressure  
generation or utilization  
60/578 ...Unitarily movable displacer delivers fluid  
from two delivery chambers, one chamber being ineffective  
under high pressure delivery

2 60/585 (1 OR, 1 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/585 ..Holder for reserve liquid feeds master

2 92/168 (0 OR, 2 XR)  
Class 092 : EXPANSIBLE CHAMBER DEVICES  
92/165R WITH GUIDE OR SEAL ON CYLINDER END PORTION FOR  
PISTON OR MEMBER MOVED BY PISTON  
92/168 .Non-metallic seal means between piston or  
member and end portion

2 188/1.11L (1 OR, 1 XR)  
Class 188 : BRAKES  
188/1.11R .WITH CONDITION INDICATOR  
188/1.11W .Wear  
188/1.11L ..Electrical

2 188/106P (1 OR, 1 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/105 .Multiple  
188/106R ..Vehicle  
188/106P ...Plural systems

2 188/158 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/158 .Electric

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2 188/181T (1 OR, 1 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/174 .Weight  
188/180 ..Regulators  
188/181R ...Vehicle  
188/181T ....Torque-responsive

2 188/196BA (0 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack  
188/196B ..Ratchet  
188/196BA ...Rotatable

2 188/196D (0 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack  
188/196D ..Frictional rotation

2 188/205R (1 OR, 1 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/205R .Supports

2 188/206A (0 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/205R .Supports  
188/206R ..Brake element  
188/206A ...Anchor

2 188/216 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/216 .Release mechanism

2 188/259 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/250R .Shoes  
188/251R ..Composite  
188/259 ...Flexible

2 188/72.1 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element

2 188/72.2 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element

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188/72.2 ...Self-force-increasing means

2 188/72.5 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston  
188/72.5 ....Piston for each of plural elements

2 188/73.32 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.32 ...Having means to facilitate changing brake  
element

2 188/73.43 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.43 ...Including actuator slidable in plane  
parallel to axis of rotation of wheel

2 188/75 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/74 .Transversely movable  
188/75 ..Opposing

2 188/77R (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/74 .Transversely movable  
188/77R ..Strap

2 188/78 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/74 .Transversely movable  
188/78 ..Expanding

2 192/107T (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/107R .Engaging surfaces  
192/107T ..Transversely engaging

2 192/79 (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/66.1 .Axially engaging  
192/79 ..Exterior

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2 192/81C (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/66.1 .Axially engaging  
192/79 ..Exterior  
192/80 ...Strap  
192/81R ....Multiple folds  
192/81C .....Coil

2 192/83 (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/82R .Operators  
192/83 ..Multiple for same clutch

2 192/84.81 (1 OR, 1 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/82R .Operators  
192/84.1 ..Electric or magnetic  
192/84.8 ...Operator for transversely engaging elements  
192/84.81 .....Coil spring

2 303/112 (1 OR, 1 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 .SPEED-CONTROLLED  
303/112 ..Torque sensing

2 303/115.2 (0 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 .SPEED-CONTROLLED  
303/113.1 ..Having a valve system responsive to a wheel lock signal  
303/115.1 ..System controlled by expandible chamber type modulator  
303/115.2 ...Having electric control

2 310/77 (1 OR, 1 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10 DYNAMOELECTRIC  
310/40R .Rotary  
310/66 ..With other elements  
310/75R ...Drive mechanism  
310/77 ....Brake

2 318/372 (0 OR, 2 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/362 BRAKING  
318/372 .Friction braking